

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Vincent M. DeLuca on 28 December 2011.

The application has been amended as follows:

Please delete the ABSTRACT set forth in the Examiner's Amendment communication mailed 29 December 2011 and replace it with the following:

A methodology and system for applying coatings onto the interior surfaces of components, includes a vapor creation device, a vacuum chamber having a moderate gas pressure and an inert gas jet having controlled velocity and flow fields. The gas jet is created by a rarefied, inert gas supersonic expansion through a nozzle. By controlling the carrier gas flow into a region upstream of the nozzle an upstream pressure is achieved. The carrier gas flow and chamber pumping rate control the downstream pressure. The ratio of the upstream to downstream pressure along with the size and shape of the nozzle opening controls the speed of the gas entering the chamber. Vapor created from a source is transported into the interior regions of a component using binary collisions between the vapor and gas jet atoms. These collisions enable the vapor atoms to scatter onto the interior surfaces of the component and deposit.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Phillip Fletcher III whose telephone number is (571)272-1419. The examiner can normally be reached on Monday through Friday, 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dah-Wei Yuan can be reached on (571) 272-1295. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William Phillip Fletcher III/  
Primary Examiner, Art Unit 1717

29 December 2011